

Peter B Greer

List of Publications by Year in descending order

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Version: 2024-02-01

185
papers

4,819
citations

94381

37
h-index

128225

60
g-index

186
all docs

186
docs citations

186
times ranked

3242
citing authors

#	ARTICLE	IF	CITATIONS
1	A system for real-time monitoring of breath-hold via assessment of internal anatomy in tangential breast radiotherapy. Journal of Applied Clinical Medical Physics, 2022, 23, .	0.8	4
2	In Regard to Shortall et al. International Journal of Radiation Oncology Biology Physics, 2022, 112, 831-833.	0.4	1
3	Comparison of Synthetic Computed Tomography Generation Methods, Incorporating Male and Female Anatomical Differences, for Magnetic Resonance Imaging-Only Definitive Pelvic Radiotherapy. Frontiers in Oncology, 2022, 12, 822687.	1.3	5
4	Validation of an MRI-only planning workflow for definitive pelvic radiotherapy. Radiation Oncology, 2022, 17, 55.	1.2	7
5	Determination of the electronic portal imaging device pixel-sensitivity-map for quality assurance applications. Part 1: Comparison of methods. Journal of Applied Clinical Medical Physics, 2022, , e13603.	0.8	2
6	Determination of the electronic portal imaging device pixel-sensitivity-map for quality assurance applications. Part 2: Photon beam dependence. Journal of Applied Clinical Medical Physics, 2022, , e13602.	0.8	1
7	Insensitivity of machine log files to MLC leaf backlash and effect of MLC backlash on clinical dynamic MLC motion: An experimental investigation. Journal of Applied Clinical Medical Physics, 2022, 23, .	0.8	5
8	Image synthesis for MRI-only radiotherapy treatment planning. , 2022, , 423-445.		1
9	AAPM Task Group 264: The safe clinical implementation of MLC tracking in radiotherapy. Medical Physics, 2021, 48, e44-e64.	1.6	49
10	Toward real-time verification for MLC tracking treatments using time-resolved EPID imaging. Medical Physics, 2021, 48, 953-964.	1.6	3
11	Experimental evaluation of four-dimensional Magnetic Resonance Imaging for radiotherapy planning of lung cancer. Physics and Imaging in Radiation Oncology, 2021, 17, 32-35.	1.2	4
12	Can the Risk of Dysphagia in Head and Neck Radiation Therapy Be Predicted by an Automated Transit Fluence Monitoring Process During Treatment? A First Comparative Study of Patient Reported Quality of Life and the Fluence-Based Decision Support Metric. Technology in Cancer Research and Treatment, 2021, 20, 153303382110279.	0.8	2
13	A novel quality assurance procedure for trajectory log validation using phantom-less real-time latency corrected EPID images. Journal of Applied Clinical Medical Physics, 2021, 22, 176-185.	0.8	4
14	Voxel-Wise Analysis for Spatial Characterisation of Pseudo-CT Errors in MRI-Only Radiotherapy Planning. , 2021, , .		4
15	Validation of virtual water phantom software for pre-treatment verification of single-isocenter multiple-target stereotactic radiosurgery. Journal of Applied Clinical Medical Physics, 2021, 22, 241-252.	0.8	1
16	Visualising the urethra for prostate radiotherapy planning. Journal of Medical Radiation Sciences, 2021, 68, 282-288.	0.8	7
17	Effects of MR imaging time reduction on substitute CT generation for prostate MRI-only treatment planning. Physical and Engineering Sciences in Medicine, 2021, 44, 799-807.	1.3	1
18	Diagnosis of transition zone prostate cancer by multiparametric MRI: added value of MR spectroscopic imaging with sLASER volume selection. Journal of Biomedical Science, 2021, 28, 54.	2.6	10

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19	Automatic radiotherapy delineation quality assurance on prostate MRI with deep learning in a multicentre clinical trial. <i>Physics in Medicine and Biology</i> , 2021, 66, 195008.	1.6	7
20	Optimisation and validation of an integrated magnetic resonance imaging-only radiotherapy planning solution. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 34-39.	1.2	5
21	Voxel-based supervised machine learning of peripheral zone prostate cancer using noncontrast multiparametric MRI. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 179-191.	0.8	10
22	Increased Dose to Organs in Urinary Tract Associates With Measures of Genitourinary Toxicity in Pooled Voxel-Based Analysis of 3 Randomized Phase III Trials. <i>Frontiers in Oncology</i> , 2020, 10, 1174.	1.3	10
23	Reduced Dose Posterior to Prostate Correlates With Increased PSA Progression in Voxel-Based Analysis of 3 Randomized Phase 3 Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1304-1318.	0.4	9
24	Relationships between rectal and perirectal doses and rectal bleeding or tenesmus in pooled voxel-based analysis of 3 randomised phase III trials. <i>Radiotherapy and Oncology</i> , 2020, 150, 281-292.	0.3	5
25	In vivo dosimetry in external beam photon radiotherapy: Requirements and future directions for research, development, and clinical practice. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 15, 108-116.	1.2	49
26	Is multileaf collimator tracking or gating a better intrafraction motion adaptation strategy? An analysis of the TROG 15.01 stereotactic prostate ablative radiotherapy with KIM (SPARK) trial. <i>Radiotherapy and Oncology</i> , 2020, 151, 234-241.	0.3	10
27	Future directions of in vivo dosimetry for external beam radiotherapy and brachytherapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 18-19.	1.2	9
28	Predictive quality assurance of a linear accelerator based on the machine performance check application using statistical process control and ARIMA forecast modeling. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 73-82.	0.8	12
29	Real-Time Image Guided Ablative Prostate Cancer Radiation Therapy: Results From the TROG 15.01 SPARK Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 530-538.	0.4	33
30	Nuclear magnetic resonance spectroscopy of human body fluids and in vivo magnetic resonance spectroscopy: Potential role in the diagnosis and management of prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2020, 38, 150-173.	0.8	15
31	Optimisation of 2D U-Net Model Components for Automatic Prostate Segmentation on MRI. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2601.	1.3	10
32	Geometric uncertainty analysis of MLC tracking for lung SABR. <i>Physics in Medicine and Biology</i> , 2020, 65, 235040.	1.6	6
33	Pseudo-CT Generation for Mri-only Radiotherapy: Comparative Study Between A Generative Adversarial Network, A U-Net Network, A Patch-Based, and an Atlas Based Methods. , 2019, , .		1
34	The accuracy and precision of the KIM motion monitoring system used in the multi-institutional TROG 15.01 Stereotactic Prostate Ablative Radiotherapy with KIM (SPARK) trial. <i>Medical Physics</i> , 2019, 46, 4725-4737.	1.6	14
35	Comparison of Deep Learning-Based and Patch-Based Methods for Pseudo-CT Generation in MRI-Based Prostate Dose Planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1137-1150.	0.4	58
36	Supervised risk predictor of central gland lesions in prostate cancer using ¹ H MR spectroscopic imaging with gradient offset-independent adiabaticity pulses. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1926-1936.	1.9	7

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37	Assessment of the accuracy of truebeam intrafraction motion review (IMR) system for prostate treatment guidance. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 585-598.	1.4	18
38	Phase 2 Multicenter Study of Gantry-Based Stereotactic Radiotherapy Boost for Intermediate and High Risk Prostate Cancer (PROMETHEUS). Frontiers in Oncology, 2019, 9, 217.	1.3	30
39	Similarity clustering-based atlas selection for pelvic CT image segmentation. Medical Physics, 2019, 46, 2243-2250.	1.6	7
40	TROG 18.01 phase III randomised clinical trial of the Novel Integration of New prostate radiation schedules with adjuvant Androgen deprivation: NINJA study protocol. BMJ Open, 2019, 9, e030731.	0.8	18
41	Bulk Anatomical Density Based Dose Calculation for Patient-Specific Quality Assurance of MRI-Only Prostate Radiotherapy. Frontiers in Oncology, 2019, 9, 997.	1.3	16
42	A Multi-center Prospective Study for Implementation of an MRI-Only Prostate Treatment Planning Workflow. Frontiers in Oncology, 2019, 9, 826.	1.3	24
43	Remote dosimetric auditing of clinical trials: The need for vendor specific models to convert images to dose. Journal of Applied Clinical Medical Physics, 2019, 20, 175-183.	0.8	0
44	Characterization of prostate cancer using diffusion tensor imaging: A new perspective. European Journal of Radiology, 2019, 110, 112-120.	1.2	20
45	Multi-observer contouring of male pelvic anatomy: Highly variable agreement across conventional and emerging structures of interest. Journal of Medical Imaging and Radiation Oncology, 2019, 63, 264-271.	0.9	21
46	An inter-centre statistical scale standardisation for quantitatively evaluating prostate tissue on T2-weighted MRI. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 137-147.	1.4	6
47	Pseudo-CT Generation for MRI-Only Radiation Therapy Treatment Planning: Comparison Among Patch-Based, Atlas-Based, and Bulk Density Methods. International Journal of Radiation Oncology Biology Physics, 2019, 103, 479-490.	0.4	36
48	Feasibility study on 3D image reconstruction from 2D orthogonal cine-MRI for MRI-guided radiotherapy. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 389-400.	0.9	44
49	Fostering a culture of research within a clinical radiation oncology department. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 102-108.	0.9	2
50	MRI-only treatment planning: benefits and challenges. Physics in Medicine and Biology, 2018, 63, 05TR01.	1.6	152
51	Electromagnetic-Guided MLC Tracking Radiation Therapy for Prostate Cancer Patients: Prospective Clinical Trial Results. International Journal of Radiation Oncology Biology Physics, 2018, 101, 387-395.	0.4	21
52	Audiovisual biofeedback improves the correlation between internal/external surrogate motion and lung tumor motion. Medical Physics, 2018, 45, 1009-1017.	1.6	21
53	A remote EPID-based dosimetric TPS-planned audit of centers for clinical trials: outcomes and analysis of contributing factors. Radiation Oncology, 2018, 13, 178.	1.2	6
54	Evaluation of the truebeam machine performance check (MPC): OBI X-ray tube alignment procedure. Journal of Applied Clinical Medical Physics, 2018, 19, 68-78.	0.8	9

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55	Comparative study of algorithms for synthetic <sc>CT</sc> generation from <sc>MRI</sc>: Consequences for <sc>MRI</sc>-guided radiation planning in the pelvic region. Medical Physics, 2018, 45, 5218-5233.	1.6	94
56	A proposed method for linear accelerator photon beam steering using EPID. Journal of Applied Clinical Medical Physics, 2018, 19, 591-597.	0.8	5
57	Estimation of Hounsfield unit conversion parameters for pelvic CT images. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 739-745.	1.4	1
58	Evaluation of CT to CBCT non-linear dense anatomical block matching registration for prostate patients. Biomedical Physics and Engineering Express, 2018, 4, 045033.	0.6	1
59	A method for evaluating treatment quality using <i>in vivo</i> EPID dosimetry and statistical process control in radiation therapy. International Journal of Health Care Quality Assurance, 2017, 30, 90-102.	0.2	10
60	Virtual EPID standard phantom audit (VESPA) for remote IMRT and VMAT credentialing. Physics in Medicine and Biology, 2017, 62, 4293-4299.	1.6	17
61	Stereotactic prostate adaptive radiotherapy utilising kilovoltage intrafraction monitoring: the TROC 15.01 SPARK trial. BMC Cancer, 2017, 17, 180.	1.1	39
62	Commissioning and quality assurance for VMAT delivery systems: An efficient time-resolved system using real-time EPID imaging. Medical Physics, 2017, 44, 3909-3922.	1.6	10
63	The first clinical implementation of a real-time six degree of freedom target tracking system during radiation therapy based on Kilovoltage Intrafraction Monitoring (KIM). Radiotherapy and Oncology, 2017, 123, 37-42.	0.3	39
64	Audiovisual biofeedback guided breath-hold improves lung tumor position reproducibility and volume consistency. Advances in Radiation Oncology, 2017, 2, 354-362.	0.6	14
65	Evaluation of the truebeam machine performance check (<sc>MPC</sc>) geometric checks for daily <sc>IGRT</sc> geometric accuracy quality assurance. Journal of Applied Clinical Medical Physics, 2017, 18, 200-206.	0.8	26
66	Regression and statistical shape model based substitute CT generation for MRI alone external beam radiation therapy from standard clinical MRI sequences. Physics in Medicine and Biology, 2017, 62, 8566-8580.	1.6	8
67	Real-time intrafraction prostate motion during linac based stereotactic radiotherapy with rectal displacement. Journal of Applied Clinical Medical Physics, 2017, 18, 130-136.	0.8	20
68	A novel and independent method for time-resolved gantry angle quality assurance for <sc>VMAT</sc>. Journal of Applied Clinical Medical Physics, 2017, 18, 134-142.	0.8	2
69	Technical note: TROC 15.01 SPARK trial multi-institutional imaging dose measurement. Journal of Applied Clinical Medical Physics, 2017, 18, 358-363.	0.8	10
70	Investigating the generalisation of an atlas-based synthetic-CT algorithm to another centre and MR scanner for prostate MR-only radiotherapy. Physics in Medicine and Biology, 2017, 62, N548-N560.	1.6	8
71	A virtual dosimetry audit – Towards transferability of gamma index analysis between clinical trial QA groups. Radiotherapy and Oncology, 2017, 125, 398-404.	0.3	12
72	Intensity-based dual model method for generation of synthetic CT images from standard T2-weighted MR images – Generalized technique for four different MR scanners. Radiotherapy and Oncology, 2017, 125, 411-419.	0.3	22

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73	Evaluation of the truebeam machine performance check (<scp>MPC</scp>): mechanical and collimation checks. Journal of Applied Clinical Medical Physics, 2017, 18, 56-66.	0.8	20
74	Real-time in vivo rectal wall dosimetry using MOSkin detectors during linac based stereotactic radiotherapy with rectal displacement. Radiation Oncology, 2017, 12, 41.	1.2	17
75	Remote dosimetric auditing for intensity modulated radiotherapy: A pilot study. Physics and Imaging in Radiation Oncology, 2017, 4, 26-31.	1.2	11
76	Pseudo-CT generation by conditional inference random forest for MRI-based radiotherapy treatment planning. , 2017, , .		5
77	Evaluation of the TrueBeam machine performance check (<scp>MPC</scp>) beam constancy checks for flattened and flattening filterâ€free (<scp>FFF</scp>) photon beams. Journal of Applied Clinical Medical Physics, 2017, 18, 139-150.	0.8	23
78	Investigation of a real-time EPID-based patient dose monitoring safety system using site-specific control limits. Radiation Oncology, 2016, 11, 106.	1.2	33
79	Dosimetry of ionising radiation in modern radiation oncology. Physics in Medicine and Biology, 2016, 61, R167-R205.	1.6	82
80	EPIDâ€based dosimetry to verify IMRT planar dose distribution for the aS1200 EPID and FFF beams. Journal of Applied Clinical Medical Physics, 2016, 17, 292-304.	0.8	45
81	An EPIDâ€based system for gantryâ€resolved MLC quality assurance for VMAT. Journal of Applied Clinical Medical Physics, 2016, 17, 348-365.	0.8	12
82	Fast automated segmentation of multiple objects via spatially weighted shape learning. Physics in Medicine and Biology, 2016, 61, 8070-8084.	1.6	11
83	Quantifying the accuracy of the tumor motion and area as a function of acceleration factor for the simulation of the dynamic keyhole magnetic resonance imaging method. Medical Physics, 2016, 43, 2639-2648.	1.6	6
84	MRI-alone radiation therapy planning for prostate cancer: Automatic fiducial marker detection. Medical Physics, 2016, 43, 2218-2228.	1.6	37
85	Timeâ€resolved beam symmetry measurement for VMAT commissioning and quality assurance. Journal of Applied Clinical Medical Physics, 2016, 17, 220-230.	0.8	2
86	VMAT linear accelerator commissioning and quality assurance: dose control and gantry speed tests. Journal of Applied Clinical Medical Physics, 2016, 17, 246-261.	0.8	5
87	Audiovisual Biofeedback Improves Cineâ€Magnetic Resonance Imaging Measured Lung Tumor Motion Consistency. International Journal of Radiation Oncology Biology Physics, 2016, 94, 628-636.	0.4	26
88	Validation of a method for <i>in vivo</i> 3D dose reconstruction for IMRT and VMAT treatments using onâ€treatment EPID images and a modelâ€based forwardâ€calculation algorithm. Medical Physics, 2015, 42, 6945-6954.	1.6	60
89	Investigation on the performance of dedicated radiotherapy positioning devices for MR scanning for prostate planning. Journal of Applied Clinical Medical Physics, 2015, 16, 4-13.	0.8	10
90	Quantification of lung tumor rotation with automated landmark extraction using orthogonal cine MRI images. Physics in Medicine and Biology, 2015, 60, 7165-7178.	1.6	21

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91	A cine-EPID based method for jaw detection and quality assurance for tracking jaw in IMRT/VMAT treatments. <i>Physica Medica</i> , 2015, 31, 16-24.	0.4	16
92	A review of segmentation and deformable registration methods applied to adaptive cervical cancer radiation therapy treatment planning. <i>Artificial Intelligence in Medicine</i> , 2015, 64, 75-87.	3.8	48
93	MRI simulation: end-to-end testing for prostate radiation therapy using geometric pelvic MRI phantoms. <i>Physics in Medicine and Biology</i> , 2015, 60, 3097-3109.	1.6	34
94	Infections after fiducial marker implantation for prostate radiotherapy: are we underestimating the risks?. <i>Radiation Oncology</i> , 2015, 10, 38.	1.2	36
95	Robust inverse-consistent affine CT-MR registration in MRI-assisted and MRI-alone prostate radiation therapy. <i>Medical Image Analysis</i> , 2015, 23, 56-69.	7.0	49
96	An open source automatic quality assurance (OSAQA) tool for the ACR MRI phantom. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015, 38, 39-46.	1.4	28
97	Utilising pseudo-CT data for dose calculation and plan optimization in adaptive radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015, 38, 561-568.	1.4	10
98	First Experience With Real-Time EPID-Based Delivery Verification During IMRT and VMAT Sessions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 516-522.	0.4	60
99	Automatic Substitute Computed Tomography Generation and Contouring for Magnetic Resonance Imaging (MRI)-Alone External Beam Radiation Therapy From Standard MRI Sequences. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 1144-1153.	0.4	151
100	Dose-to-water conversion for the backscatter-shielded EPID: A frame-based method to correct for EPID energy response to MLC transmitted radiation. <i>Medical Physics</i> , 2014, 41, 081716.	1.6	5
101	An independent system for real-time dynamic multileaf collimation trajectory verification using EPID. <i>Physics in Medicine and Biology</i> , 2014, 59, 61-81.	1.6	14
102	MR simulation for prostate radiation therapy: effect of coil mounting position on image quality. <i>British Journal of Radiology</i> , 2014, 87, 20140325.	1.0	11
103	Transit dosimetry in dynamic IMRT with an a-Si EPID. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 579-588.	1.6	9
104	Simulation of real-time EPID images during IMRT using Monte-Carlo. <i>Physica Medica</i> , 2014, 30, 326-330.	0.4	2
105	An investigation of gantry angle data accuracy for cine-mode EPID images acquired during arc IMRT. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 187-201.	0.8	20
106	Inverse-consistent rigid registration of CT and MR for MR-based planning and adaptive prostate radiation therapy. <i>Journal of Physics: Conference Series</i> , 2014, 489, 012039.	0.3	10
107	Structure-Guided Nonrigid Registration of CT-MR Pelvis Scans with Large Deformations in MR-Based Image Guided Radiation Therapy. <i>Lecture Notes in Computer Science</i> , 2014, , 65-73.	1.0	10
108	Structure-Guided Nonrigid Registration of CT-MR Pelvis Scans with Large Deformations in MR-Based Image Guided Radiation Therapy. <i>Lecture Notes in Computer Science</i> , 2014, , 65-73.	1.0	3

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109	Fast Multiatlas Selection Using Composition of Transformations for Radiation Therapy Planning. Lecture Notes in Computer Science, 2014, , 105-115.	1.0	1
110	A Survey of Cervix Segmentation Methods in Magnetic Resonance Images. Lecture Notes in Computer Science, 2013, , 290-298.	1.0	0
111	3D EPID based dosimetry for pre-treatment verification of VMAT " methods and challenges. Journal of Physics: Conference Series, 2013, 444, 012010.	0.3	15
112	Treatment-Related Morbidity in Prostate Cancer: A Comparison of 3-Dimensional Conformal Radiation Therapy With and Without Image Guidance Using Implanted Fiducial Markers. International Journal of Radiation Oncology Biology Physics, 2013, 85, 1018-1023.	0.4	45
113	Evaluating radiation damage to scintillating plastic fibers with Monte Carlo simulations. Proceedings of SPIE, 2013, , .	0.8	0
114	Model-based prediction of portal dose images during patient treatment. Medical Physics, 2013, 40, 031713.	1.6	44
115	Characterization of a novel EPID designed for simultaneous imaging and dose verification in radiotherapy. Medical Physics, 2013, 40, 091902.	1.6	23
116	Characterization of optical transport effects on EPID dosimetry using Geant4. Medical Physics, 2013, 40, 041708.	1.6	22
117	A system for EPID-based real-time treatment delivery verification during dynamic IMRT treatment. Medical Physics, 2013, 40, 091907.	1.6	34
118	Gantry-angle resolved VMAT pretreatment verification using EPID image prediction. Medical Physics, 2013, 40, 081715.	1.6	42
119	3D Dose reconstruction: Banding artefacts in cine mode EPID images during VMAT delivery. Journal of Physics: Conference Series, 2013, 444, 012042.	0.3	6
120	A method for removing arm backscatter from EPID images. Medical Physics, 2013, 40, 071703.	1.6	10
121	Investigation of the sag in linac secondary collimator and MLC carriage during arc deliveries. Physics in Medicine and Biology, 2012, 57, N209-N224.	1.6	17
122	Transit dosimetry in IMRT with an a-Si EPID in direct detection configuration. Physics in Medicine and Biology, 2012, 57, N295-N306.	1.6	12
123	Gantry angle determination during arc IMRT: evaluation of a simple EPID-based technique and two commercial inclinometers. Journal of Applied Clinical Medical Physics, 2012, 13, 203-214.	0.8	15
124	Impact of backscattered radiation from the bunker structure on EPID dosimetry. Journal of Applied Clinical Medical Physics, 2012, 13, 91-100.	0.8	1
125	Patient Specific Prostate Segmentation in 3-D Magnetic Resonance Images. IEEE Transactions on Medical Imaging, 2012, 31, 1955-1964.	5.4	77
126	An Atlas-Based Electron Density Mapping Method for Magnetic Resonance Imaging (MRI)-Alone Treatment Planning and Adaptive MRI-Based Prostate Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2012, 83, e5-e11.	0.4	275

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127	Detection and correction for EPID and gantry sag during arc delivery using cine EPID imaging. Medical Physics, 2012, 39, 623-635.	1.6	52
128	Development and testing of an improved dosimetry system using a backscatter shielded electronic portal imaging device. Medical Physics, 2012, 39, 2839-2847.	1.6	20
129	EPID-based verification of the MLC performance for dynamic IMRT and VMAT. Medical Physics, 2012, 39, 6192-6207.	1.6	44
130	Improvement of Varian a-Si EPID dosimetry measurements using a lead-shielded support-arm. Medical Dosimetry, 2012, 37, 145-151.	0.4	4
131	SU-E-J-179: Requirements for the Accuracy of Electron Density Data Planning for MRI Based Cervix Cancer Treatment Planning. Medical Physics, 2012, 39, 3694-3694.	1.6	0
132	Fast Automatic Multi-atlas Segmentation of the Prostate from 3D MR Images. Lecture Notes in Computer Science, 2011, , 10-21.	1.0	21
133	Automatic Segmentation of the Prostate in 3D Magnetic Resonance Images Using Case Specific Deformable Models. , 2011, , .		3
134	Verification of the linac isocenter for stereotactic radiosurgery using cine-EPID imaging and arc delivery. Medical Physics, 2011, 38, 3963-3970.	1.6	41
135	Does the planning dose-volume histogram represent treatment doses in image-guided prostate radiation therapy? Assessment with cone-beam computerised tomography scans. Radiotherapy and Oncology, 2011, 98, 162-168.	0.3	68
136	MRI-guided prostate radiation therapy planning: Investigation of dosimetric accuracy of MRI-based dose planning. Radiotherapy and Oncology, 2011, 98, 330-334.	0.3	227
137	A magnetic resonance imaging-based workflow for planning radiation therapy for prostate cancer. Medical Journal of Australia, 2011, 194, S24-7.	0.8	44
138	Isocenter verification for linac-based stereotactic radiation therapy: review of principles and techniques. Journal of Applied Clinical Medical Physics, 2011, 12, 185-195.	0.8	62
139	Direct dose to water dosimetry for pretreatment IMRT verification using a modified EPID. Medical Physics, 2011, 38, 6257-6264.	1.6	17
140	Long-term two-dimensional pixel stability of EPIDs used for regular linear accelerator quality assurance. Australasian Physical and Engineering Sciences in Medicine, 2011, 34, 459-466.	1.4	13
141	Epid Dosimetry. , 2011, , .		9
142	SU-F-BRA-02: An Investigation Into Optical Photon Transport Effects on Electronic Portal Imaging Performance Using Geant4. Medical Physics, 2011, 38, 3700-3700.	1.6	0
143	An evaluation of cine-mode 3D portal image dosimetry for Volumetric Modulated Arc Therapy. Journal of Physics: Conference Series, 2010, 250, 012022.	0.3	12
144	Evaluation of an a-Si EPID in direct detection configuration as a water-equivalent dosimeter for transit dosimetry. Medical Physics, 2010, 37, 1459-1467.	1.6	26

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145	Measurement and modeling of the effect of support arm backscatter on dosimetry with a Varian EPID. Medical Physics, 2010, 37, 2269-2278.	1.6	52
146	Reduction of the effect of non-uniform backscatter from an E-type support arm of a Varian a-Si EPID used for dosimetry. Physics in Medicine and Biology, 2010, 55, 6617-6632.	1.6	9
147	Sci-Sat AM(2): Brachy - 07: Amelioration of the Effect of Non-Uniform Arm Backscatter on Dosimetry with a Varian A-Si EPID. Medical Physics, 2010, 37, 3911-3911.	1.6	0
148	An energy fluenceâ€œconvolution model for amorphous silicon EPID dose prediction. Medical Physics, 2009, 36, 547-555.	1.6	27
149	A simple approach to using an amorphous silicon EPID to verify IMRT planar dose maps. Medical Physics, 2009, 36, 984-992.	1.6	33
150	Nonrigid correction of interleaving artefacts in pelvic MRI. , 2009, , .		4
151	Comparison of sources of exit fluence variation for IMRT. Physics in Medicine and Biology, 2009, 54, N451-N458.	1.6	3
152	Recognizing False Biochemical Failure Calls After Radiation With or Without Neo-Adjuvant Androgen Deprivation for Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2009, 74, 404-411.	0.4	13
153	Measuring Time to Biochemical Failure in the TROG 96.01 Trial: When Should the Clock Start Ticking?. International Journal of Radiation Oncology Biology Physics, 2009, 75, 1008-1012.	0.4	7
154	Cone beam computerized tomography: the effect of calibration of the Hounsfield unit number to electron density on dose calculation accuracy for adaptive radiation therapy. Physics in Medicine and Biology, 2009, 54, N329-N346.	1.6	133
155	Direct-detection EPID dosimetry: investigation of a potential clinical configuration for IMRT verification. Physics in Medicine and Biology, 2009, 54, 7151-7169.	1.6	18
156	An EPID based method for efficient and precise asymmetric jaw alignment quality assurance. Medical Physics, 2009, 36, 5488-5496.	1.6	17
157	Assuring high quality treatment delivery in clinical trials â€œ Results from the Trans-Tasman Radiation Oncology Group (TROG) study 03.04 â€œRADARâ€œset-up accuracy study. Radiotherapy and Oncology, 2009, 90, 299-306.	0.3	35
158	Experience converting an RT department to full CT simulation: Technical issues identified during commissioning of a wideâ€œbore scanner. Journal of Medical Imaging and Radiation Oncology, 2009, 53, 325-330.	0.9	7
159	EPID dosimetry: Effect of different layers of materials on absorbed dose response. Medical Physics, 2009, 36, 5665-5674.	1.6	22
160	Dosimetric properties of an amorphousâ€œsilicon EPID used in continuous acquisition mode for application to dynamic and arc IMRT. Medical Physics, 2009, 36, 3028-3039.	1.6	73
161	Monte Carlo-based adaptive EPID dose kernel accounting for different field size responses of imagers. Medical Physics, 2009, 36, 3582-3595.	1.6	18
162	Sci-Wed PM: Delivery-11: Dosimetric Properties of an EPID for Real-Time Dose Verification. Medical Physics, 2009, 36, 4303-4303.	1.6	2

#	ARTICLE	IF	CITATIONS
163	CT-ED conversion on a GE Lightspeed-RT scanner: influence of scanner settings. Australasian Physical and Engineering Sciences in Medicine, 2008, 31, 154-159.	1.4	24
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